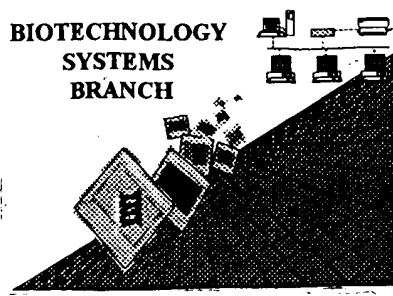


XX
7



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/018,929
Source: PC/10
Date Processed by STIC: 1/17/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/08,924

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13:12:10

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

pr 4-7
Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Novartis AG
5 Novartis Research Foundation
7 <120> TITLE OF INVENTION: Gene involved in epigenetic gene silencing
9 <130> FILE REFERENCE: S-31005A
11 <140> CURRENT APPLICATION NUMBER: US/10/018,929
12 <141> CURRENT FILING DATE: 2001-12-21
14 <150> PRIOR APPLICATION NUMBER: GB 9914623.5
15 <151> PRIOR FILING DATE: 1999-06-23
17 <160> NUMBER OF SEQ ID NOS: 33
19 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

795 <210> SEQ ID NO: 3
796 <211> LENGTH: 2001
797 <212> TYPE: PRT
798 <213> ORGANISM: Arabidopsis thaliana
800 <400> SEQUENCE: 3
801 Met Lys Lys Asp Glu Lys Ile Gly Leu Thr Gly Arg Thr Ile Tyr Thr
802 1 5 10 15
804 Arg Ser Leu Ala Ala Ser Ile Pro Ala Ser Val Glu Gln Glu Thr Pro
805 20 25 30
807 Gly Leu Arg Arg Ser Ser Arg Gly Thr Pro Ser Thr Lys Val Ile Thr
808 35 40 45
810 Pro Ala Ser Ala Thr Arg Lys Ser Glu Arg Leu Ala Pro Ser Pro Ala
811 50 55 60
813 Ser Val Ser Lys Lys Ser Gly Gly Ile Val Lys Asn Ser Thr Pro Ser
814 65 70 75 80
816 Ser Leu Arg Arg Ser Asn Arg Gly Lys Thr Glu Val Ser Leu Gln Ser
817 85 90 95
819 Ser Lys Gly Ser Asp Asn Ser Ile Arg Lys Gly Asp Thr Ser Pro Asp
820 100 105 110
822 Ile Glu Gln Arg Lys Asp Ser Val Glu Glu Ser Thr Asp Lys Ile Lys
823 115 120 125
825 Pro Ile Met Ser Ala Arg Ser Tyr Arg Ala Leu Phe Arg Gly Lys Leu
826 130 135 140
828 Lys Glu Ser Glu Ala Leu Val Asp Ala Ser Pro Asn Glu Glu Glu Leu
829 145 150 155 160
831 Val Val Val Gly Cys Ser Arg Arg Ile Pro Ala Gly Asn Asp Asp Val
832 165 170 175
834 Gln Gly Lys Thr Asp Cys Pro Pro Pro Ala Asp Ala Gly Ser Lys Arg
835 180 185 190

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13 12:10

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

```

837 Leu Pro Val Asp Glu Thr Ser Leu Asp Lys Gly Thr Asp Phe Pro Leu
838      195      200      205
840 Lys Ser Val Thr Glu Thr Glu Lys Ile Val Leu Asp Ala Ser Pro Ile
841      210      215      220
843 Val Glu Thr Gly Asp Asp Ser Val Ile Gly Ser Pro Ser Glu Asn Leu
844 225      230      235      240
846 Glu Thr Gln Lys Leu Gln Asp Gly Lys Thr Asp Cys Ser Pro Pro Ala
847      245      250      255
849 Asn Ala Glu Ser Lys Thr Leu Pro Val Gly Glu Thr Ser Leu Glu Lys
850      260      265      270
852 Glu Tyr Pro Gln Lys Phe Gln Asp Asp Asn Thr Asp Cys Leu Pro Pro
853      275      280      285
855 Ala Asn Ala Glu Ser Lys Arg Leu Pro Val Gly Glu Thr Ser Leu Glu
856      290      295      300
858 Lys Asp Thr Asp Phe Pro Leu Lys Ser Thr Thr Glu Thr Gly Lys Met
859 305      310      315      320
861 Val Leu Tyr Ala Ser Pro Ile Val Glu Thr Arg Asp Asp Ser Val Ile
862      325      330      335
864 Cys Ser Pro Ser Thr Asn Leu Glu Thr Gln Lys Leu Leu Val Ser Lys
865      340      345      350
867 Thr Gly Leu Glu Thr Asp Ile Val Leu Pro Leu Lys Arg Lys Arg Asp
868      355      360      365
870 Thr Ala Glu Ile Glu Leu Asp Ala Cys Ala Thr Val Ala Asn Gly Asp
871      370      375      380
873 Asp His Val Met Ser Ser Asp Gly Val Ile Pro Ser Pro Ser Gly Cys
874 385      390      395      400
876 Lys Asn Asp Asn Arg Pro Glu Met Cys Asn Thr Cys Lys Lys Arg Gln
877      405      410      415
879 Lys Val Asn Gly Asp Cys Gln Asn Arg Ser Val Cys Ser Cys Ile Val
880      420      425      430
882 Gln Pro Val Glu Glu Ser Asp Asn Val Thr Gln Asp Met Lys Glu Thr
883      435      440      445
885 Gly Pro Val Thr Ser Arg Glu Tyr Glu Glu Asn Gly Gln Ile Gln His
886      450      455      460
888 Gly Lys Ser Ser Asp Pro Lys Phe Tyr Ser Ser Val Tyr Pro Glu Tyr
889 465      470      475      480
891 Trp Val Pro Val Gln Leu Ser Asp Val Gln Leu Glu Gln Tyr Cys Gln
892      485      490      495
894 Thr Leu Phe Ser Lys Ser Leu Ser Leu Ser Ser Leu Ser Lys Ile Asp
895      500      505      510
897 Leu Gly Ala Leu Glu Glu Thr Leu Asn Ser Val Arg Lys Thr Cys Asp
898      515      520      525
900 His Pro Tyr Val Met Asp Ala Ser Leu Lys Gln Leu Leu Thr Lys Asn
901      530      535      540
903 Leu Glu Leu His Glu Ile Leu Asp Val Glu Ile Lys Ala Ser Gly Lys
904 545      550      555      560
906 Leu His Leu Leu Asp Lys Met Leu Thr His Ile Lys Lys Asn Gly Leu
907      565      570      575
909 Lys Ala Val Val Phe Tyr Gln Ala Thr Gln Thr Pro Glu Gly Leu Leu

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13:12:10

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

```

910          580          585          590
912 Leu Gly Asn Ile Leu Glu Asp Phe Val Gly Gln Arg Phe Gly Pro Lys
913          595          600          605
915 Ser Tyr Glu His Gly Ile Tyr Ser Ser Lys Lys Asn Ser Ala Ile Asn
916          610          615          620
918 Asn Phe Asn Lys Glu Ser Gln Cys Cys Val Leu Leu Leu Glu Thr Arg
919 625          630          635          640
921 Ala Cys Ser Gln Thr Ile Lys Leu Leu Arg Ala Asp Ala Phe Ile Leu
922          645          650          655
924 Phe Gly Ser Ser Leu Asn Pro Ser His Asp Val Lys His Val Glu Lys
925          660          665          670
927 Ile Lys Ile Glu Ser Cys Ser Glu Arg Thr Lys Ile Phe Arg Leu Tyr
928          675          680          685
930 Ser Val Cys Thr Val Glu Glu Lys Ala Leu Ile Leu Ala Arg Gln Asn
931          690          695          700
933 Met Arg Gln Asn Lys Ala Val Glu Asn Leu Asn Arg Ser Leu Thr His
934 705          710          715          720
936 Ala Leu Leu Met Trp Gly Ala Ser Tyr Leu Phe Asp Lys Leu Asp His
937          725          730          735
939 Phe His Ser Ser Glu Thr Pro Asp Ser Gly Val Ser Phe Glu Gln Ser
940          740          745          750
942 Ile Met Asp Gly Val Ile His Glu Phe Ser Ser Ile Leu Ser Ser Lys
943          755          760          765
945 Gly Gly Glu Glu Asn Glu Val Lys Leu Cys Leu Leu Glu Ala Lys
946          770          775          780
948 His Ala Gln Gly Thr Tyr Ser Ser Asp Ser Thr Leu Phe Gly Glu Asp
949 785          790          795          800
951 His Ile Lys Leu Ser Asp Glu Glu Ser Pro Asn Ile Phe Trp Ser Lys
952          805          810          815
954 Leu Leu Gly Gly Lys Asn Pro Met Trp Lys Tyr Pro Ser Asp Thr Pro
955          820          825          830
957 Gln Arg Asn Arg Lys Arg Val Gln Tyr Phe Glu Gly Ser Glu Ala Ser
958          835          840          845
960 Pro Lys Thr Gly Asp Gly Gly Asn Ala Lys Lys Arg Lys Lys Ala Ser
961          850          855          860
963 Asp Asp Val Thr Asp Pro Arg Val Thr Asp Pro Pro Val Asp Asp Asp
964 865          870          875          880
966 Glu Arg Lys Ala Ser Gly Lys Asp His Met Gly Ala Leu Glu Ser Pro
967          885          890          895
969 Lys Val Ile Thr Leu Gln Ser Ser Cys Lys Ser Ser Gly Thr Asp Gly
970          900          905          910
972 Thr Leu Asp Gly Asn Asp Ala Phe Gly Leu Tyr Ser Met Gly Ser His
973          915          920          925
975 Ile Ser Gly Ile Pro Glu Asp Met Leu Ala Ser Gln Asp Trp Gly Lys
976          930          935          940
978 Ile Pro Asp Glu Ser Gln Arg Arg Leu His Thr Val Leu Lys Pro Lys
979 945          950          955          960
981 Met Ala Lys Leu Cys Gln Val Leu His Leu Ser Asp Ala Cys Thr Ser
982          965          970          975

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13:12:10

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

```

981 Met Val Gly Asn Phe Leu Glu Tyr Val Ile Glu Asn His Arg Ile Tyr
985          980          985          990
987 Glu Glu Pro Ala Thr Thr Phe Gln Ala Phe Gln Ile Ala Leu Ser Trp
988          995          1000          1005
990 Ile Ala Ala Leu Leu Val Lys Gln Ile Leu Ser His Lys Glu Ser Leu
991      1010          1015          1020
993 Val Arg Ala Asn Ser Glu Leu Ala Phe Lys Cys Ser Arg Val Glu Val
E--> 994 025 1025          1030          1035          1040
996 Asp Tyr Ile Tyr Ser Ile Leu Ser Cys Met Lys Ser Leu Phe Leu Glu
997          1045          1050          1055
999 His Thr Gln Gly Leu Gln Phe Asp Cys Phe Gly Thr Asn Ser Lys Gln
1000          1060          1065          1070
1002 Ser Val Val Ser Thr Lys Leu Val Asn Glu Ser Leu Ser Gly Ala Thr
1003          1075          1080          1085
1005 Val Arg Asp Glu Lys Ile Asn Thr Lys Ser Met Arg Asn Ser Ser Glu
1006      1090          1095          1100
1008 Asp Glu Glu Cys Met Thr Glu Lys Arg Cys Ser His Tyr Ser Thr Ala
E--> 1009 105          1110          1115          1120
1011 Thr Arg Asp Ile Glu Lys Thr Ile Ser Gly Ile Lys Lys Lys Tyr Lys
1012          1125          1130          1135
1014 Lys Gln Val Gln Lys Leu Val Gln Glu His Glu Glu Lys Lys Met Glu
1015          1140          1145          1150
1017 Leu Leu Asn Met Tyr Ala Asp Lys Lys Gln Lys Leu Glu Thr Ser Lys
1018          1155          1160          1165
1020 Ser Val Glu Ala Ala Val Ile Arg Ile Thr Cys Ser Arg Thr Ser Thr
1021      1170          1175          1180
1023 Glu Val Gly Asp Leu Lys Leu Leu Asp His Asn Tyr Glu Arg Lys Phe
E--> 1024 185          1190          1195          1200
1026 Asp Glu Ile Lys Ser Glu Lys Asn Glu Cys Leu Lys Ser Leu Glu Gln
1027          1205          1210          1215
1029 Met His Glu Val Ala Lys Lys Lys Leu Ala Glu Asp Glu Ala Cys Trp
1030          1220          1225          1230
1032 Ile Asn Arg Ile Lys Ser Trp Ala Ala Lys Leu Lys Val Cys Val Pro
1033          1235          1240          1245
1035 Ile Gln Ser Gly Asn Asn Lys His Phe Ser Gly Ser Ser Asn Ile Ser
1036      1250          1255          1260
1038 Gln Asn Ala Pro Asp Val Gln Ile Cys Asn Asn Ala Asn Val Glu Ala
E--> 1039 265          1270          1275          1280
1041 Thr Tyr Ala Asp Thr Asn Cys Met Ala Ser Lys Val Asn Gln Val Pro
1042          1285          1290          1295
1044 Glu Ala Glu Asn Thr Leu Gly Thr Met Ser Gly Gly Ser Thr Gln Gln
1045          1300          1305          1310
1047 Val His Glu Met Val Asp Val Arg Asn Asp Glu Thr Met Asp Val Ser
1048          1315          1320          1325
1050 Ala Leu Ser Arg Glu Gln Leu Thr Lys Ser Gln Ser Asn Glu His Ala
1051      1330          1335          1340
1053 Ser Ile Thr Val Pro Glu Ile Leu Ile Pro Ala Asp Cys Gln Glu Glu
E--> 1054 345          1350          1355          1360
1056 Phe Ala Ala Leu Asn Val His Leu Ser Glu Asp Gln Asn Cys Asp Arg

```

When
numbering
first amino
acid on a
line, begin
number directly
below first
letter of amino
acid.

Please ensure
a space is
shown between
the ending
number and the
next amino acid.

e.g. Val | S | Arg
1025 | 1026 | 1027

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13:12:10

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

```

1057          1365          1370          1375
1059 Ile Thr Ser Ala Ala Ser Asp Glu Asp Val Ser Ser Arg Val Pro Glu
1060          1380          1385          1390
1062 Val Ser Gln Ser Leu Glu Asn Leu Ser Ala Ser Pro Glu Phe Ser Leu
1063          1395          1400          1405
1065 Asn Arg Glu Glu Ala Leu Val Thr Thr Glu Asn Arg Arg Thr Ser His
1066          1410          1415          1420
1068 Val Gly Phe Asp Thr Asp Asn Ile Leu Asp Gln Gln Asn Arg Glu Asp
E--> 1069 425          1430          1435          1440
1071 Cys Ser Leu Asp Gln Glu Ile Pro Asp Glu Leu Ala Met Pro Val Gln
1072          1445          1450          1455
1074 His Leu Ala Ser Val Val Glu Thr Arg Gly Ala Ala Glu Ser Asp Gln
1075          1460          1465          1470
1077 Tyr Gly Gln Asp Ile Cys Pro Met Pro Ser Ser Leu Ala Gly Lys Gln
1078          1475          1480          1485
1080 Pro Asp Pro Ala Ala Asn Thr Glu Ser Glu Asn Leu Glu Glu Ala Ile
1081          1490          1495          1500
1083 Glu Pro Gln Ser Ala Gly Ser Glu Thr Val Glu Thr Thr Asp Phe Ala
E--> 1084 505          1510          1515          1520
1086 Ala Ser His Gln Gly Asp Gln Val Thr Cys Pro Leu Leu Ser Ser Pro
1087          1525          1530          1535
1089 Thr Gly Asn Gln Pro Ala Pro Glu Ala Asn Ile Glu Gly Gln Asn Ile
1090          1540          1545          1550
1092 Asn Thr Ser Ala Glu Pro His Val Ala Gly Pro Asp Ala Val Glu Ser
1093          1555          1560          1565
1095 Gly Asp Tyr Ala Val Ile Asp Gln Glu Thr Met Gly Ala Gln Asp Ala
1096          1570          1575          1580
1098 Cys Ser Leu Pro Ser Gly Ser Val Gly Thr Gln Ser Asp Leu Gly Ala
E--> 1099 585          1590          1595          1600
1101 Asn Ile Glu Gly Gln Asn Val Thr Thr Val Ala Gln Leu Pro Thr Asp
1102          1605          1610          1615
1104 Gly Ser Asp Ala Val Val Thr Gly Gly Ser Pro Val Ser Asp Gln Cys
1105          1620          1625          1630
1107 Ala Gln Asp Ala Ser Pro Met Pro Leu Ser Ser Pro Gly Asn His Pro
1108          1635          1640          1645
1110 Asp Thr Ala Val Asn Ile Glu Gly Leu Asp Asn Thr Ser Val Ala Glu
1111          1650          1655          1660
1113 Pro His Ile Ser Gly Ser Asp Ala Cys Glu Met Glu Ile Ser Glu Pro
E--> 1114 665          1670          1675          1680
1116 Gly Pro Gln Val Glu Arg Ser Thr Phe Ala Asn Leu Phe His Glu Gly
1117          1685          1690          1695
1119 Gly Val Glu His Ser Ala Gly Val Thr Ala Leu Val Pro Ser Leu Leu
1120          1700          1705          1710
1122 Asn Asn Gly Thr Glu Gln Ile Ala Val Gln Pro Val Pro Gln Ile Pro
1123          1715          1720          1725
1125 Phe Pro Val Phe Asn Asp Pro Phe Leu His Glu Leu Glu Lys Leu Arg
1126          1730          1735          1740
1128 Arg Glu Ser Glu Asn Ser Lys Lys Thr Phe Glu Glu Lys Lys Ser Ile
E--> 1129 745          1750          1755          1760

```

*same
error*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13:12:10

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

```

1131 Leu Lys Ala Glu Leu Glu Arg Lys Met Ala Glu Val Gln Ala Glu Phe
1132                1765                1770                1775
1134 Arg Arg Lys Phe His Glu Val Glu Ala Glu His Asn Thr Arg Thr Thr
1135                1780                1785                1790
1137 Lys Ile Glu Lys Asp Lys Asn Leu Val Ile Met Asn Lys Leu Leu Ala
1138                1795                1800                1805
1140 Asn Ala Phe Leu Ser Lys Cys Thr Asp Lys Lys Val Ser Pro Ser Gly
1141                1810                1815                1820
1143 Ala Pro Arg Gly Lys Ile Gln Gln Leu Ala Gln Arg Ala Ala Gln Val
E--> 1144 (825)                1830                1835                1840
1146 Ser Ala Leu Arg Asn Tyr Ile Ala Pro Gln Gln Leu Gln Ala Ser Ser
1147                1845                1850                1855
1149 Phe Pro Ala Pro Ala Leu Val Ser Ala Pro Leu Gln Leu Gln Gln Ser
1150                1860                1865                1870
1152 Ser Phe Pro Ala Pro Gly Pro Ala Pro Leu Gln Pro Gln Ala Ser Ser
1153                1875                1880                1885
1155 Phe Pro Ser Ser Val Ser Arg Pro Ser Ala Leu Leu Leu Asn Phe Ala
1156                1890                1895                1900
1158 Val Cys Pro Met Pro Gln Pro Arg Gln Pro Leu Ile Ser Asn Ile Ala
E--> 1159 (905)                1910                1915                1920
1161 Pro Thr Pro Ser Val Thr Pro Ala Thr Asn Pro Gly Leu Arg Ser Pro
1162                1925                1930                1935
1164 Ala Pro His Leu Asn Ser Tyr Arg Pro Ser Ser Ser Thr Pro Val Ala
1165                1940                1945                1950
1167 Thr Ala Thr Pro Thr Ser Ser Val Pro Pro Gln Ala Leu Thr Tyr Ser
1168                1955                1960                1965
1170 Ala Val Ser Ile Gln Gln Gln Gln Glu Gln Gln Pro Gln Gln Ser Leu
1171                1970                1975                1980
1173 Ser Ser Gly Leu Gln Ser Asn Asn Glu Val Val Cys Leu Ser Asp Asp
E--> 1174 (985)                1990                1995                2000
1176 Glu

```

*same**see next page*

10/018,929 7

<210> 7
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 7
ntcgastwts gwggtt

15

see item 9 on Ena Summary Sheet



FBI

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,929

DATE: 01/17/2002

TIME: 13:12.11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01172002\J018929.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
 L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:994 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
 M:332 Repeated in SeqNo=3
 L:1230 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
 L:1230 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
 L:1230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:1243 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:8
 L:1243 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
 L:1243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:1256 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
 L:1256 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
 L:1256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:1269 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10
 L:1269 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
 L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:1282 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11
 L:1282 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
 L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
 L:1295 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12
 L:1295 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
 L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:1308 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
 L:1308 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
 L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
 L:1476 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:26
 L:1476 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:26
 L:1476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26